



# AS – Biology – Human Biology to BS – Biology – Biotechnology Concentration 2023-2024 Transfer Pathway



AS Degree Requirements							
Central Texas College							
CTC	TAMUCT	Course Name	SCH	CTC	TAMUCT	Course Name	SCH
MATH 1414	CORE 090	College Algebra	4	BIOL 2421 <sup>3</sup>	BIOL 2421	Microbiology for Science Major	4
BIOL 1406 <sup>3</sup>	CORE 030	Biology for Science Majors I	4	CHEM 2423 <sup>3</sup>	CHEM 2423	Organic Chemistry I	4
ENGL 1301	CORE 010	Composition I	3	CORE 080	CORE 080	Social/Behavioral Science Core	3
HIST 1301	CORE 060	United States History I	3	GOVT 2305	CORE 070	Federal Government	3
BIOL 1407 <sup>3</sup>	CORE 030	Biology for Science Majors II	4	CHEM 2425 <sup>3</sup>	CHEM 2425	Organic Chemistry II	4
CHEM 1411 <sup>3</sup>	CHEM 1411	General Chemistry I	4	CORE 040	CORE 040	Language/Philosophy/Culture Core	3
SPCH 1315 SPCH 1318 or SPCH 1321	CORE 010	Public Speaking Interpersonal Communication or Business and Professional Communication	3	GOVT 2306	CORE 070	Texas Government	3
HIST 1302	CORE 060	United States History II	3	CORE 050	CORE 050	Creative Arts Core	3
CHEM 1412 <sup>3</sup>	CORE 090	General Chemistry II	4	Physical Activity	Physical Activity	Physical Activity	1
<b>Subtotal</b>							<b>60</b>

Additional Lower-Level Degree Requirements			
Central Texas College			
Central Texas College	Texas A&M University - Central Texas	Course Name	SCH
MATH 2313 <sup>1,3</sup>	CORE 020	Calculus I	3
PHYS 1401 <sup>1,3</sup>	PHYS 1401	College Physics I	4
Any Level Elective <sup>1,2</sup>	Any Level Elective	Any Level Elective	1
<b>Subtotal</b>			<b>8</b>

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
BIOL 3452 <sup>3</sup>	Principles of Genetics	4	BIOL 4471 <sup>3</sup>	Molecular Biology	4
CHEM 4430 <sup>3</sup>	Biochemistry I	4	BIOL 4475 <sup>3</sup>	Proteomics	4
CHEM 3415 <sup>3</sup>	Analytical Chemistry	4	BIOL 4380 <sup>3</sup>	Evolution	3
MATH 3350 <sup>3</sup>	Principles of Bio-Statistics	3	BIOL 4451 <sup>3</sup>	Bioinformatics	4
BIOL 4470 <sup>3</sup>	Cell Biology	4	BIOL 4395 <sup>3</sup>	Biology Capstone	3
CHEM 4415 <sup>3</sup>	Instrumental Analysis	4	Elective	Elective - Faculty Approved	4
BIOL 3380 <sup>3</sup>	Research Methods	3	Elective	Elective - Faculty Approved	4
<b>Subtotal</b>					<b>52</b>
<b>Total</b>					<b>120</b>

**Notes/Comments**

Texas A&M University - Central Texas (TAMUCT) only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Central Texas College (CTC). A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours as some courses necessary for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, students should speak with an [academic advisor](#).

1. The AS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete these remaining lower-level courses at CTC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Any-level electives may be taken at TAMUCT or CTC. Please consult with an academic advisor prior to selecting any-level electives.
3. Courses must be completed with a "C" or better.